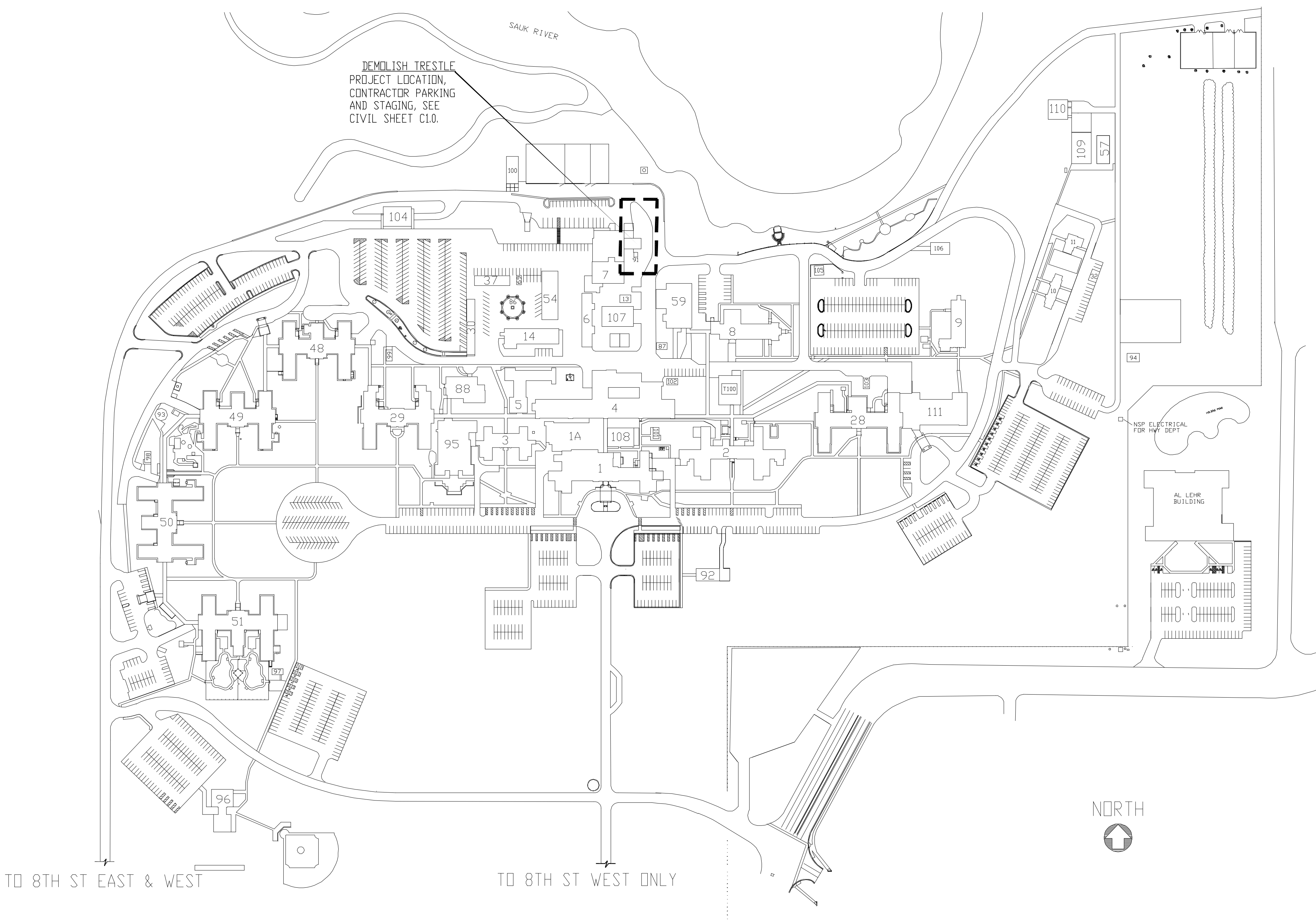


Demolish Trestle At Boiler Plant

St. Cloud VA Health Care System Main Campus, St. Cloud, Minnesota

VA Project No. 656-15-826



GENERAL CONDITIONS:

All dimensions on drawings are approximate; Drawings are not to be scaled. It is the responsibility of the contractor to verify all field conditions and physical dimensions that influence the construction area.

It is recommended that contractors visit the proposed construction site prior to submitting their bids and they are encouraged to do so.

Contractor shall adhere strictly to State and Federal Occupational Safety and Health Administration (OSHA) Standards.

Contractor shall park only in the designated parking areas and are not to park on the lawn areas; the only exception is to load or unload supplies or equipment.

Contractor is responsible for the safeguarding of their tools and equipment. All tools and equipment are not to be left unattended and are to be secured at all times when the contractor is not present, or the construction site is not supervised by the contractor.

All VA property is to be safeguarded from damage. Any damaged VA property is to be restored to original condition prior to damage or replaced completely. This includes installation, labor, and procurement expenses.

All demolished material becomes the property and the responsibility of the contractor with the exception of specified items designated either in the plans or verbally requested by the CDR to be retained by the VA. Offsite disposal of the demolished items is the responsibility of the contractor.

Contractor must control demolition and construction dust from facility by erecting a dust barrier and ventilation with hepa filters. If venting to outside, the contractor will insure negative air pressure is maintained in encapsulated work area. When transporting debris, wet down sufficiently to prevent dust spreading.

If scaffolding is used, it must be used in accordance with (OSHA) regulations and is to be enclosed for the first eight feet above ground at end of each working day, until dismantled. Ladders must be removed and locked up at the end of each working day to prevent unauthorized persons from having access.

Clean all debris from construction site to the satisfaction of the CDR.

Contractor is responsible for erecting a barrier around work site to prevent patients, staff and visitors from entering construction site. This fence may be a plastic snow fence at open trench areas. All other areas require a metal chain-link fence be erected. Fence to be 8' high, with top and bottom rail. Provide vehicle/equipment and materials swinging gate (lockable). Provide swinging pedestrian gate with emergency egress capabilities. Coordinate construction materials and location of fence with CDR.

Contractor is responsible for repairing and replacing any damaged lawn. The restoration will be performed by a landscape contractor that regularly does sodding as part of their business. All damaged lawn will be overcut by 6' or more to accommodate full width rolls of sod. Top soil to be tilled and graded to a smooth matching grade of undamaged lawn. Sod to be thoroughly saturated with water upon placement. The contractor is responsible for watering new sod until acceptance of established lawn restoration by the CDR.

Access to all buildings and parking areas must be maintained throughout the project.

Contractors are to coordinate all work with the Contracting Officers Representative (C.O.R.).

GENERAL SITE NOTES:

1. Construction limits as defined and shown on Civil drawings are to encompass project area, equipment and materials storage/staging, and contractor parking. No other areas will be made available to the contractor for these purposes during the completion of this project.

SHEET INDEX

GENERAL:
G10 PROJECT COVER SHEET

CIVIL:
C10 EXISTING CONDITIONS
C20 REMOVAL PLAN
C30 SITE PLAN
C40 UTILITY PLAN
C50 GRADING PLAN
C60 EROSION CONTROL DATA
C70 DETAILS
C71 DETAILS

ARCHITECTURAL:
A10 EXISTING CONDITIONS
A11 EXISTING CONDITIONS
A12 EXISTING CONDITIONS
A20 WALL ELEVATION

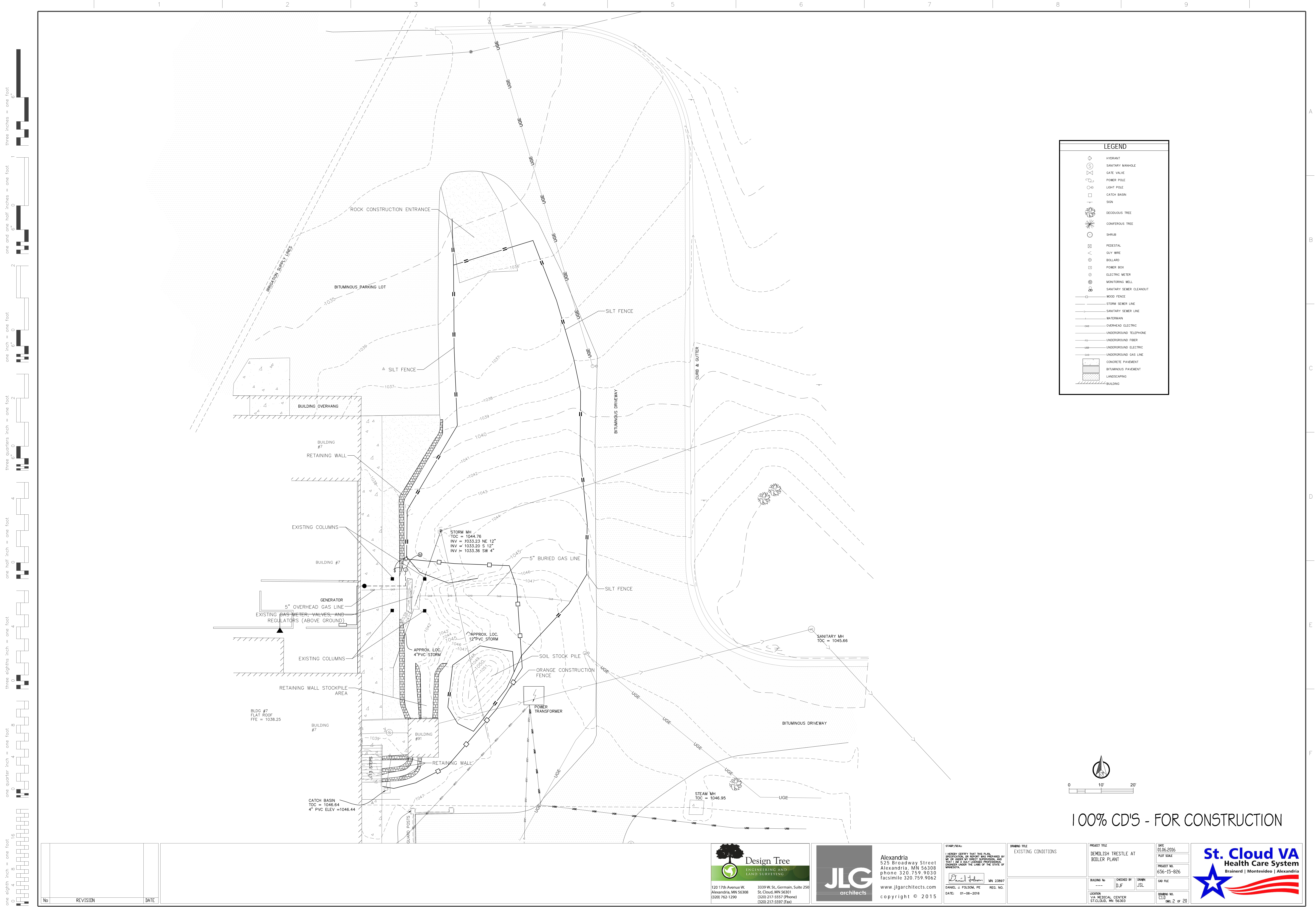
STRUCTURAL:
S10 GENERAL STRUCTURAL NOTES AND ABBREVIATIONS
S20 DEMOLITION PLANS
S21 DEMOLITION SECTION AND SEQUENCE NOTES
S30 FRAMING PLANS
S31 FRAMING SECTIONS
S60 GENERAL CONCRETE DETAILS

MECHANICAL
M10 UTILITY PLAN AND DETAILS - GAS MAIN

100% CONSTRUCTION DOCUMENTS - FOR CONSTRUCTION

NO		REVISION		DATE		JLG architects		Alexandria 525 Broadway Street Alexandria, MN 56308 phone 320.759.9030 facsimile 320.759.9062 www.jlgarchitects.com copyright © 2016		APPROVED: SERVICE LINE DIRECTOR DATE: 01/26/2016 APPROVED: GROUND COORDINATOR DATE: 01/26/2016 APPROVED: PROJECTS SECTION MANAGER DATE: 01/26/2016 APPROVED: DIRECTOR TMS DATE: 01/26/2016		APPROVED: INFECTION CONTROL NURSE DATE: 01/26/2016 APPROVED: PATIENT SAFETY DATE: 01/26/2016 APPROVED: CHIEF OF POLICE DATE: 01/26/2016 APPROVED: SAFETY MANAGER DATE: 01/26/2016		DRAWING TITLE PROJECT COVER SHEET APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE: 01/26/2016 APPROVED: CHIEF OF STAFF DATE: 01/26/2016 APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE: 01/26/2016		PROJECT TITLE DEMOLISH TREESTLE AT BOILER PLANT BUILDING No. 110 CHECKED BY: RWM DRAWN: ALW DATE FILE: 01/26/2016 DRAWING NO.: G10 COVER 1 OF 20		DATE: 01/26/2016 PROJECT NAME: AS NOTED PROJECT NO.: 656-15-826 DRAWING NO.: G10 COVER 1 OF 20		VAMC SAINT CLOUD MN	
----	--	----------	--	------	--	----------------	--	--	--	---	--	--	--	--	--	--	--	--	--	---------------------	--

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



100% CD'S - FOR CONSTRUCTION

No	REVISION	DATE



Design Tree
ENGINEERING AND
LAND SURVEYING

120 17th Avenue W.
Alexandria, MN 56308
(320) 762-1290

3339 W. St. Germain, Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)



Alexandria
525 Broadway Street
Alexandria, MN 56308
phone 320.759.9030
facsimile 320.759.9062

www.jlgarchitects.com
copyright © 2015

STAMP/SEAL:
I HEREBY CERTIFY THAT THE PLAN,
SPECIFICATION OR REPORT WAS PREPARED BY
ME OR UNDER MY DIRECT SUPERVISION, AND
THAT I AM A duly LICENSED PROFESSIONAL
ENGINEER AND/OR LAND SURVEYOR IN THE STATE OF
MINNESOTA.

Daniel J. Folsom MN 23897
DANIEL J. FOLSOM, PE REG. NO.
DATE: 01-06-2016

DRAWING TITLE:
EXISTING CONDITIONS

PROJECT TITLE:
DEMOLISH TRELLIS AT
BOILER PLANT

BUILDING No:

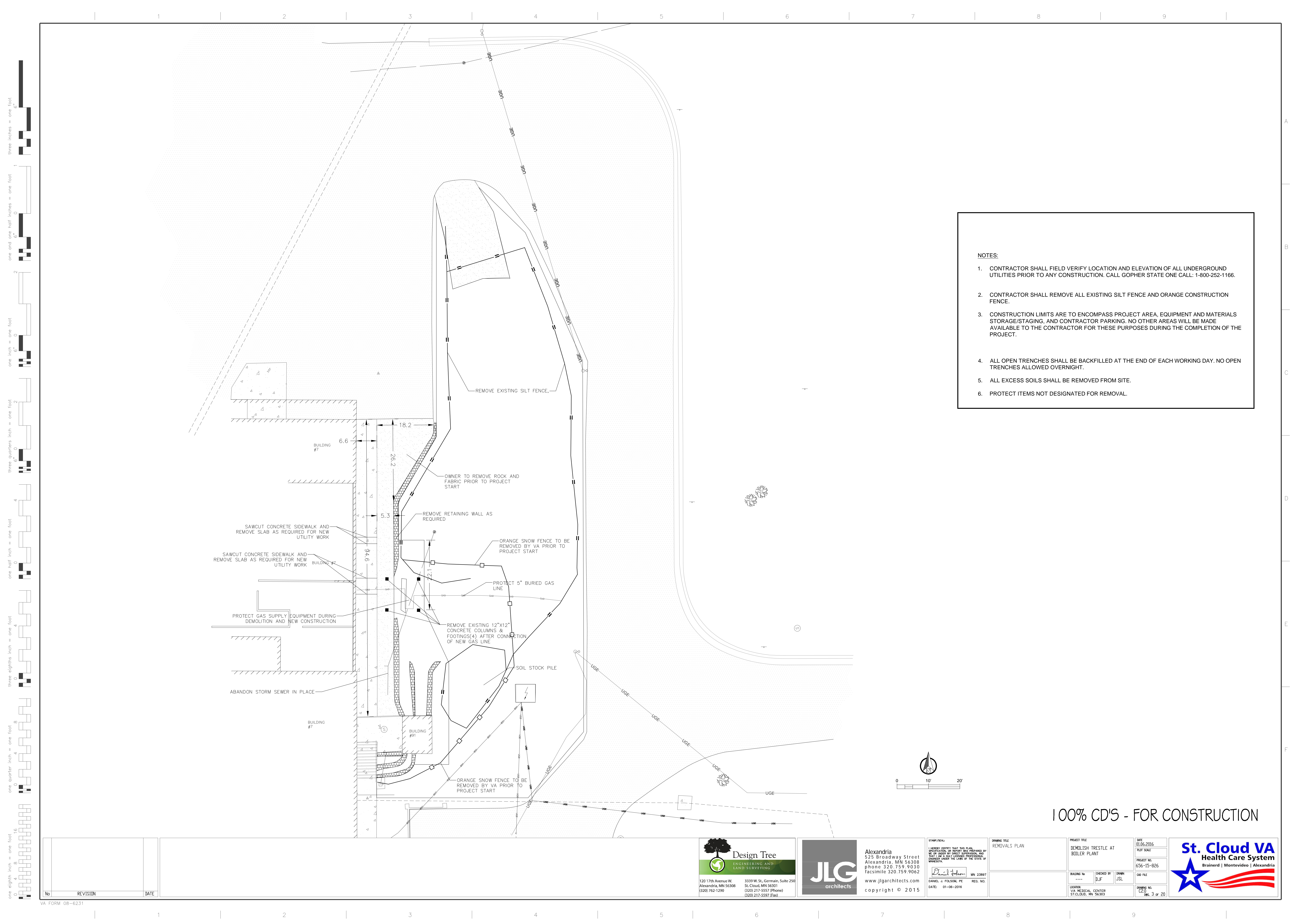
CHECKED BY:
DJF
DRAWN BY:
JSL

LOCATION:
VA MEDICAL CENTER
ST. CLOUD, MN 56303

DATE:
01.06.2016
PLOT SCALE:
PROJECT NO:
656-15-826
CADD FILE:
DRAWING NO.
C1.0
SHEET: 2 of 20



St. Cloud VA
Health Care System
Brainerd | Montevideo | Alexandria



- NOTES:
1. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CALL GOPHER STATE ONE CALL: 1-800-252-1166.
 2. CONTRACTOR SHALL REMOVE ALL EXISTING SILT FENCE AND ORANGE CONSTRUCTION FENCE.
 3. CONSTRUCTION LIMITS ARE TO ENCOMPASS PROJECT AREA, EQUIPMENT AND MATERIALS STORAGE/STAGING, AND CONTRACTOR PARKING. NO OTHER AREAS WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THESE PURPOSES DURING THE COMPLETION OF THE PROJECT.
 4. ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
 5. ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.
 6. PROTECT ITEMS NOT DESIGNATED FOR REMOVAL.

100% CD'S - FOR CONSTRUCTION

Design Tree
ENGINEERING AND
LAND SURVEYING
120 17th Avenue W.
Alexandria, MN 56308
(320) 762-1290
3339 W. St. Germain, Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

JLG
architects
Alexandria
525 Broadway Street
Alexandria, MN 56308
phone 320.759.9030
facsimile 320.759.9062
www.jlgarchitects.com
copyright © 2015

STAMP/SEAL:
I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION OR REPORT WAS PREPARED BY
ME OR UNDER MY DIRECT SUPERVISION, AND
THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER AND/OR LAND SURVEYOR IN THE STATE OF
MINNESOTA.
Daniel J. Folsom MN 23897
DATE: 01-06-2016 REG. NO.

DRAWING TITLE:
REMOVALS PLAN
PROJECT TITLE:
DEMOLISH TRESTLE AT
BOILER PLANT
BUILDING NO.:

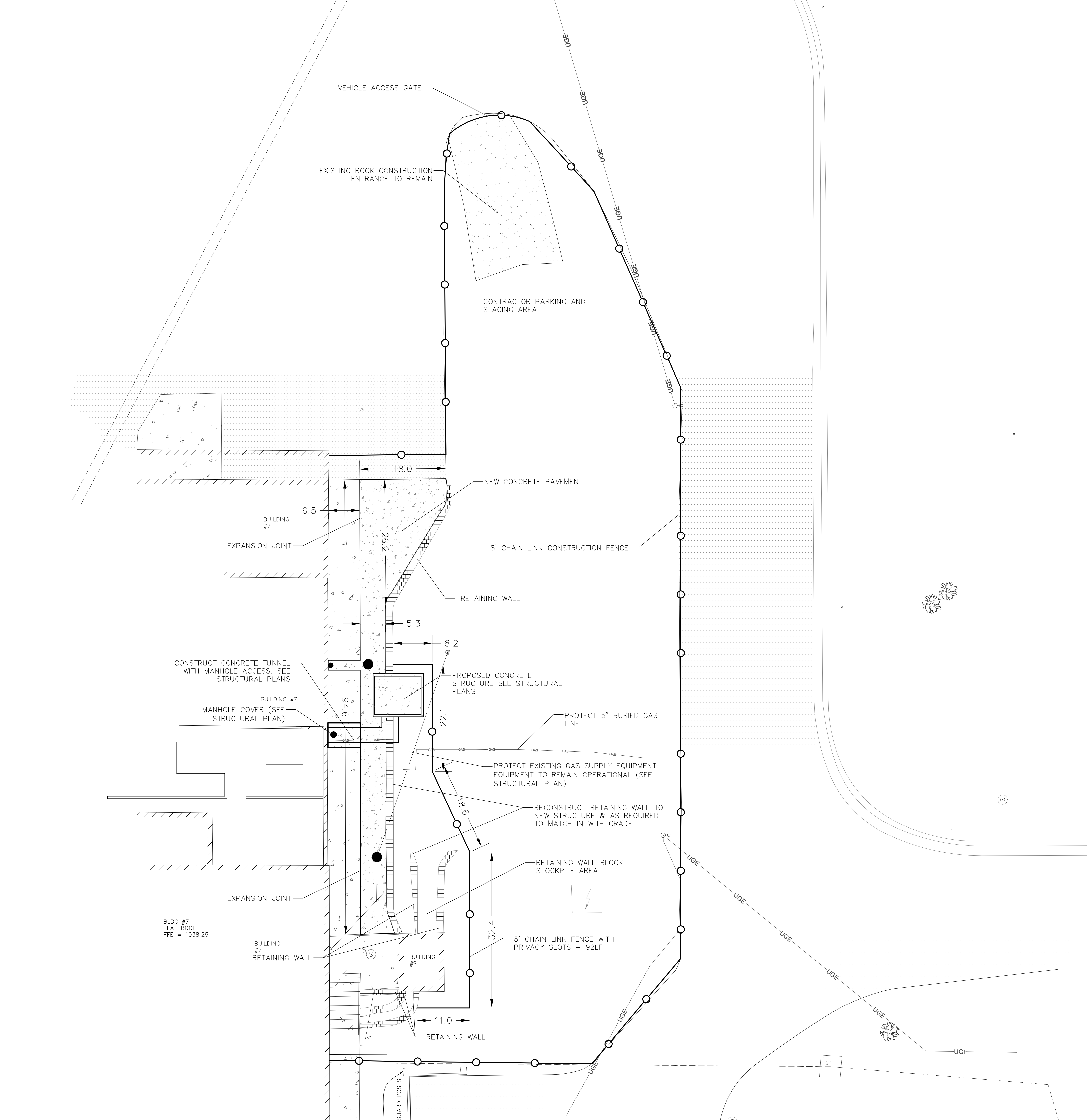
CHECKED BY:
DJF
DRAWN:
JSL
LOCATION:
VA MEDICAL CENTER
ST. CLOUD, MN 56303
DATE:
01-06-2016
DRAWING NO.:
C20
SHEET: 3 of 20

DATE:
01.06.2016
PLOT SCALE:
PROJECT NO.:
656-15-826
CADD FILE:
DRAWING NO.:
C20
SHEET: 3 of 20

St. Cloud VA
Health Care System
Brainerd | Montevideo | Alexandria

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot

1 2 3 4 5 6 7 8 9



NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CALL GOPHER STATE ONE CALL: 1-800-252-1166.
2. 8' CHAIN LINK CONSTRUCTION FENCE SHALL BE PROVIDED BY THE CONTRACTOR (SEE DETAIL 4/C7.1) CONTRACTOR SHALL COORDINATE ACCESS THROUGH CONSTRUCTION FENCE WITH DAILY CONSTRUCTION ACTIVITY. ALL ENTRANCES/OPENINGS SHALL BE ENCLOSED AT ALL TIMES AND MONITORED FOR PASSAGE OF EQUIPMENT.
3. CONSTRUCTION LIMITS ARE TO ENCOMPASS PROJECT AREA, EQUIPMENT AND MATERIALS STORAGE/STAGING, AND CONTRACTOR PARKING. NO OTHER AREAS WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THESE PURPOSES DURING THE COMPLETION OF THE PROJECT.
4. ACCESS TO EXISTING DOORS (POINTS OF EGRESS) TO BE MAINTAINED AT ALL TIMES TO THE EXTENT FEASIBLE. COORDINATE CHANGES IN ACCESS WITH COR.
5. ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
6. ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.

100% CD'S - FOR CONSTRUCTION

NO	REVISION	DATE

VA FORM 08-6231

Design Tree
ENGINEERING AND
LAND SURVEYING
120 17th Avenue W.
Alexandria, MN 56308
(320) 762-1290
3339 W. St. Germain, Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

JLG
architects
Alexandria
525 Broadway Street
Alexandria, MN 56308
phone 320.759.9030
facsimile 320.759.9062
www.jlgarchitects.com
copyright © 2015

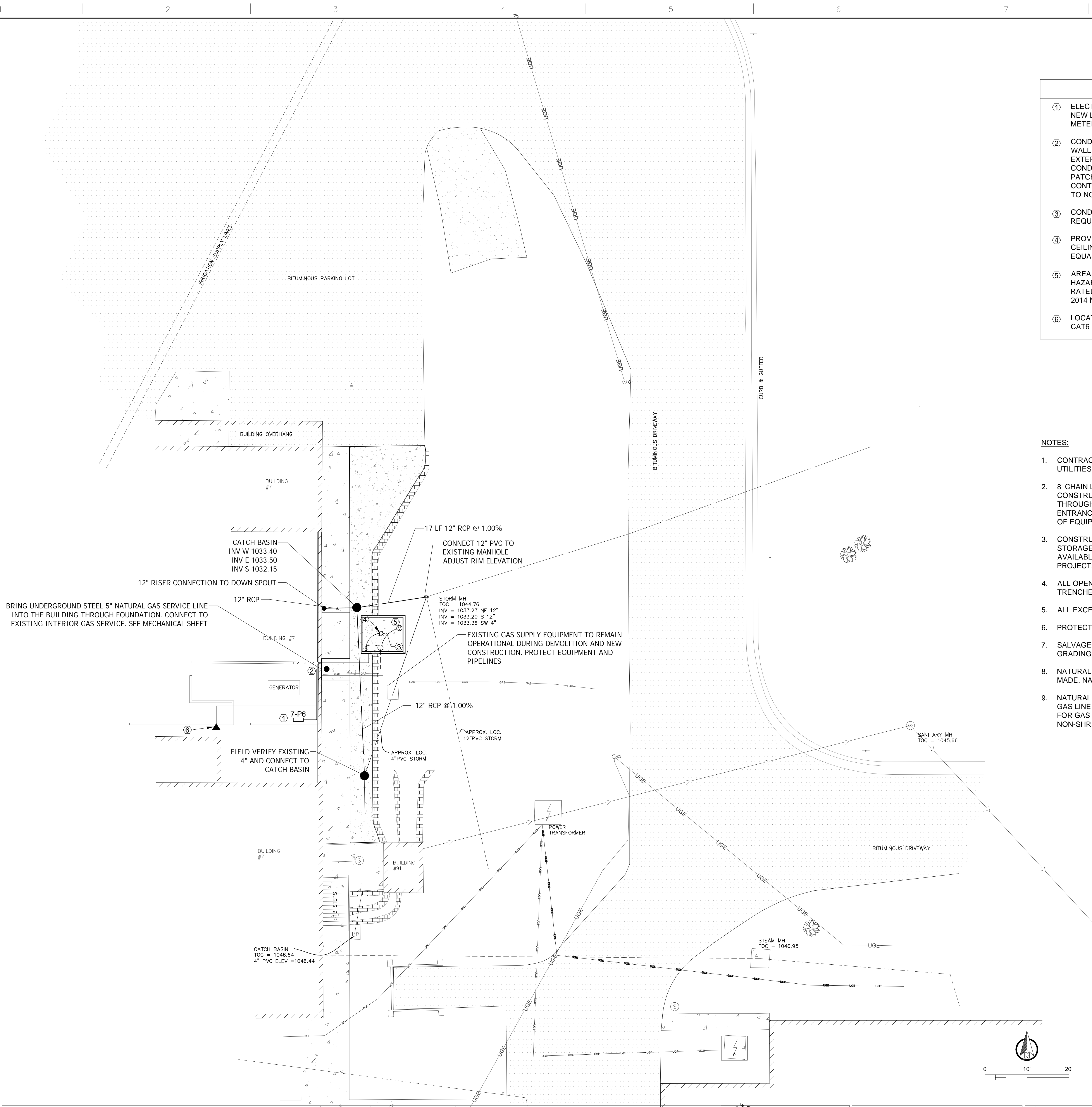
STAMP/SEAL:
I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION OR REPORT WAS PREPARED BY
ME OR UNDER MY DIRECT SUPERVISION, AND
THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER AND/OR LAND SURVEYOR IN THE STATE OF
MINNESOTA.
DANIEL J. FOLSON, PE
DATE: 01-06-2016 REG. NO. MN 23897

DRAWING TITLE
SITE PLAN

PROJECT TITLE
DEMOLISH TRESTLE AT
BOILER PLANT
DATE
01.06.2016
PROJECT NO.
656-15-826
BUILDING NO.
--- CHECKED BY
DJF DRAWN
JSL
LOCATION
VA MEDICAL CENTER
ST.CLOUD, MN 56303
DRAWING NO.
C-30
SHEET
4 OF 20

St. Cloud VA
Health Care System
Brainerd | Montevideo | Alexandria

three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
three and one half inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



- PLAN NOTES**
- ELECTRICAL PANEL 7-P6. USE TWO EXISTING SPARE 20A/1P BREAKERS. ONE FOR NEW LIGHT IN METERING BUILDING. SECOND CIRCUIT TO BE USED FOR UTILITY METERING EQUIPMENT.
 - CONDUIT TO BE RAN EXPOSED INSIDE GENERATOR ROOM. RUN CONDUIT DOWN WALL AND BELOW FLOOR PRIOR TO EXITING BUILDING. CONDUIT RAN ON THE EXTERIOR OF BUILDINGS SHALL BE INSTALLED BELOW GRADE. EXPOSED CONDUIT ON THE EXTERIOR OF BUILDINGS WILL NOT BE ALLOWED. CUT AND PATCH CONCRETE FLOOR IN GENERATOR ROOM TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY EXACT LOCATION TO RUN CONDUIT DOWN WALL TO NO INTERFERE WITH EXISTING EQUIPMENT.
 - CONDUIT AND WIRE TO UTILITY METERING EQUIPMENT. COORDINATE FINAL REQUIREMENTS WITH XCEL ENERGY PRIOR TO ROUGH-IN.
 - PROVIDE CLASS 1, DIVISION 1 EXPLOSION PROOF LIGHT FIXTURE. FIXTURE TO BE CEILING MOUNTED, 4000 LUMEN MINIMAL, LED, HOLOPHANE PETROLUX LED OR EQUAL MANUFACTURER.
 - AREA INSIDE METERING BUILDING SHALL BE CONSIDERED A CLASS 1, DIVISION 1 HAZARDOUS LOCATION. ALL EQUIPMENT PROVIDED IN THE BUILDING SHALL BE RATED FOR THE HAZARDOUS LOCATION AND MEET THE REQUIREMENTS OF THE 2014 NATIONAL ELECTRICAL CODE.
 - LOCATION OF EXISTING PHONE. REMOVE ABANDONED CABLES. PROVIDE NEW CAT6 CABLE FROM TELEPHONE OUTLET TO NEW GAS METER IN A 0.75\"/>

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CALL GOPHER STATE ONE CALL: 1-800-252-1166.
 - 8' CHAIN LINK CONSTRUCTION FENCE SHALL BE PROVIDED AROUND ENTIRE PERIMETER OF CONSTRUCTION AREA (SEE DETAIL 4/C5.1) CONTRACTOR SHALL COORDINATE ACCESS THROUGH CONSTRUCTION FENCE WITH DAILY CONSTRUCTION ACTIVITY. ALL ENTRANCES/OPENINGS SHALL BE ENCLOSED AT ALL TIMES AND MONITORED FOR PASSAGE OF EQUIPMENT.
 - CONSTRUCTION LIMITS ARE TO ENCOMPASS PROJECT AREA, EQUIPMENT AND MATERIALS STORAGE/STAGING, AND CONTRACTOR PARKING. NO OTHER AREAS WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THESE PURPOSES DURING THE COMPLETION OF THE PROJECT.
 - ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
 - ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.
 - PROTECT ITEMS NOT DESIGNATED FOR REMOVAL.
 - SALVAGE AND REINSTALL EXISTING RETAINING WALLS AS NECESSARY TO COMPLETE GRADING AND UTILITY WORK.
 - NATURAL GAS SERVICE SHALL REMAIN IN SERVICE UNTIL CONNECTIONS ARE READY TO BE MADE. NATURAL GAS SERVICE SHALL NOT BE SHUT DOWN FOR MORE THAN 24-HOURS.
 - NATURAL GAS LINE SHALL NOT ENTER BUILDING 7 THROUGH THE BUILDING FOOTING. FOR GAS LINE ROUTED ABOVE FOOTING, CORE FOUNDATION WALL AND INSERT PIPE SLEEVE. FOR GAS LINE ROUTED BELOW FOOTING, EXCAVATE, PROVIDE PIPE SLEEVE EMBEDDED IN NON-SHRINK GROUT BELOW FOOTING.

UTILITY LEGEND			
	= EXISTING HYDRANT		= PROPOSED HYDRANT
	= EXISTING CURB STOP		= PROPOSED CURB STOP
	= EXISTING GATE VALVE		= PROPOSED GATE VALVE
	= EXISTING SANITARY MANHOLE		= PROPOSED SANITARY MANHOLE
	= EXISTING CLEANOUT		= PROPOSED CLEANOUT
	= EXISTING STORM MANHOLE		= PROPOSED STORM MANHOLE
	= EXISTING CATCH BASIN		= PROPOSED CATCH BASIN
	= EXISTING CULVERT APRON		= PROPOSED CULVERT APRON
	= EXISTING WATER LINE		= PROPOSED WATER LINE
	= EXISTING SANITARY LINE		= PROPOSED SANITARY LINE
	= EXISTING STORM LINE		= PROPOSED STORM LINE

100% CD'S - FOR CONSTRUCTION

No

REVISION

DATE

Design Tree
ENGINEERING AND
LAND SURVEYING
120 17th Avenue W.
Alexandria, MN 56308
(320) 762-1290
3339 W. St. Germain, Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

JLG
architects
Alexandria
525 Broadway Street
Alexandria, MN 56308
phone 320.759.9030
facsimile 320.759.9062
www.jlgarchitects.com
copyright © 2015

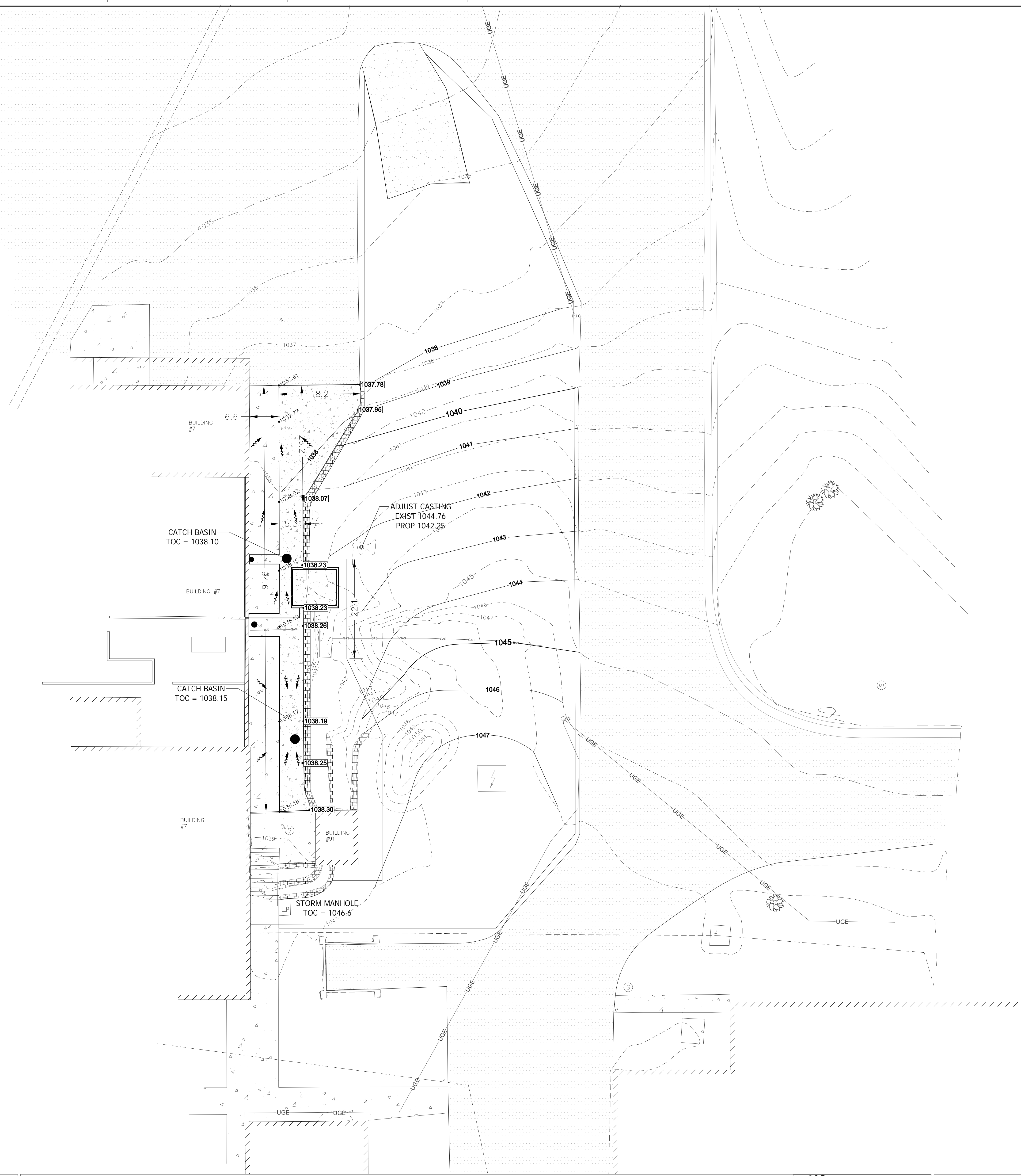
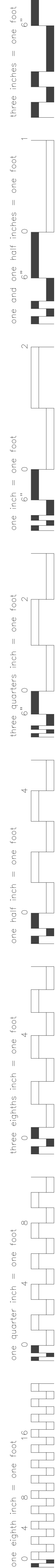
STAMP/SEAL:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A duly Licensed Professional Engineer and/or a Licensed Professional Surveyor in the State of Minnesota.

DANIEL J. FOLSOM, PE
DATE: 01-06-2016

DRAWING TITLE:
UTILITY PLAN

PROJECT TITLE	DATE
DEMOLISH TREESTLE AT BOILER PLANT	01.06.2016
BUILDING NO.	CAD FILE
--- --	---
CHECKED BY	DRAWN
DJF	JSL
LOCATION	DRAWING NO.
VA MEDICAL CENTER ST.CLOUD, MN 56303	C4.0, DWG. 5 of 20

St. Cloud VA
Health Care System
Brainerd | Montevideo | Alexandria

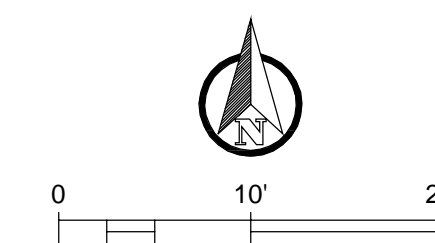


- NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
 2. CONTRACTOR SHALL FIELD VERIFY ALL BUILDING DIMENSIONS PRIOR TO ANY CONSTRUCTION.
 3. SIDEWALKS SHALL MEET ADA REQUIREMENTS, AND SHALL NOT EXCEED 2.00% CROSS SLOPE, OR 5.00% LONGITUDINAL SLOPE.
 4. HANDICAP PARKING STALLS SHALL MEET ADA REQUIREMENTS, AND SHALL NOT EXCEED 2.00% CROSS SLOPE IN ALL DIRECTIONS.
 5. ONCE SUBGRADE ELEVATION IS REACHED, BENEATH PAVED SURFACES, SCARIFY EXISTING SUBGRADE BENEATH ROADS AND BUILDING PADS AND RECOMPACT TO 100% OF THE MAXIMUM DRY DENSITY.
 6. ALL DISTURBED UNPAVED SURFACES SHALL RECEIVE 4" OF TOPSOIL.
 7. ALL EXCESS OR WASTE MATERIAL GENERATED AS PART OF CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
 8. FILL MATERIAL NEEDED FOR THE GRADING ON THE SITE SHALL BE OBTAINED FROM ANOTHER AREA OF THE SITE AS IDENTIFIED BY THE OWNER.
 9. GOPHER STATE ONE CALL DAMAGE PREVENTION SYSTEM FOR BURIED UTILITIES. 1-800-252-1166.


GRADING LEGEND

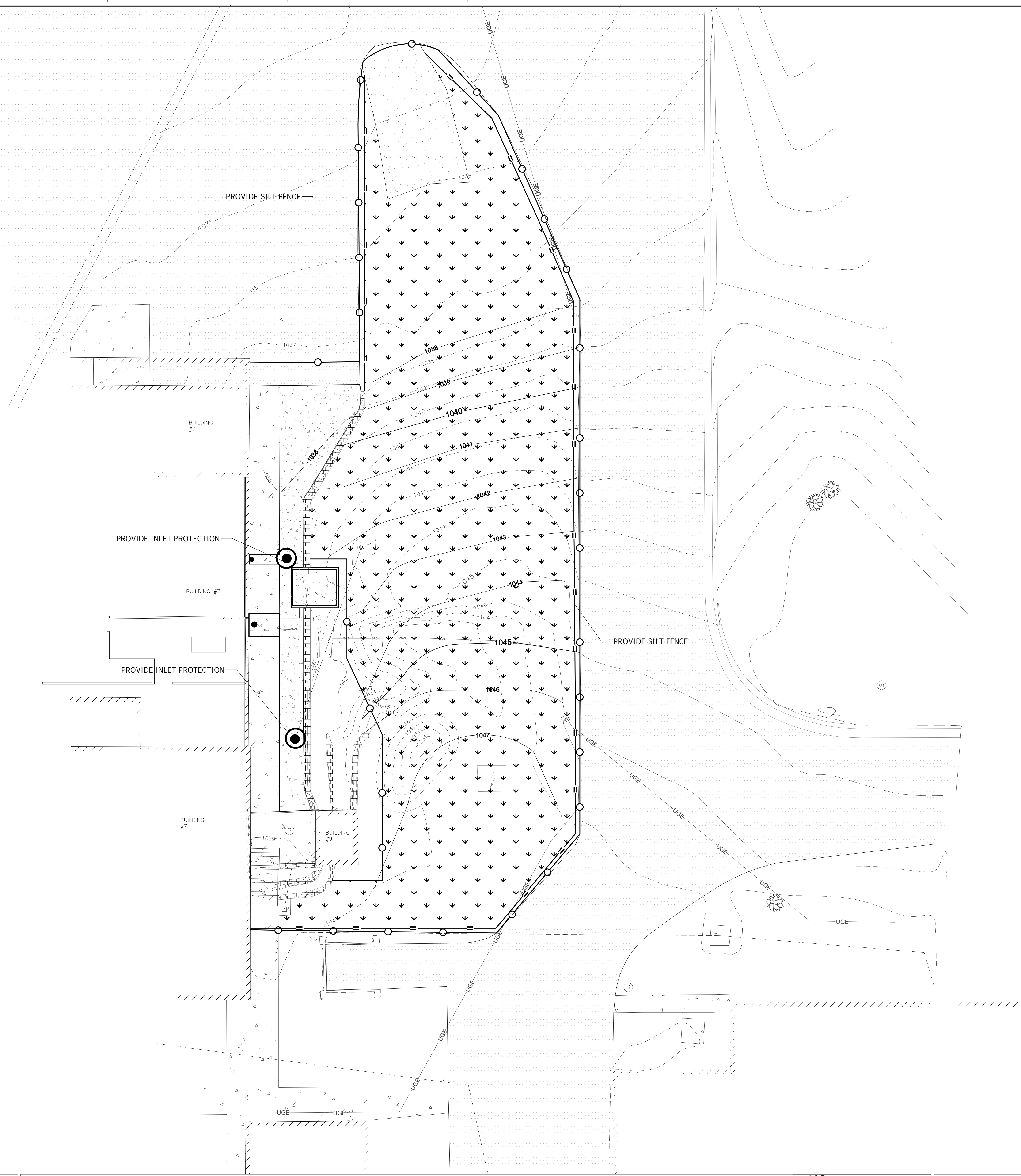
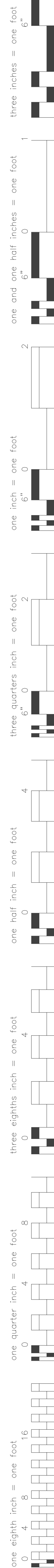
—————	=	EXISTING MAJOR CONTOUR
- - - - -	=	EXISTING MINOR CONTOUR
- - -100- - -	=	EXISTING CONTOUR LABEL
—————	=	PROPOSED MAJOR CONTOUR
—————	=	PROPOSED MINOR CONTOUR
———100———	=	PROPOSED CONTOUR LABEL
• XXXXX.XX	=	EXISTING SPOT ELEVATION*
• XXXXX.XX	=	PROPOSED SPOT ELEVATION*
• XXXXX.XXTC	=	PROPOSED SPOT ELEVATION AT TOP OF SIDEWALK OR BACK OF CURB

* SPOT ELEVATIONS ALONG CURB & GUTTER AND OTHER REVEALS ARE TO FLOWLINE, UNLESS OTHERWISE NOTED







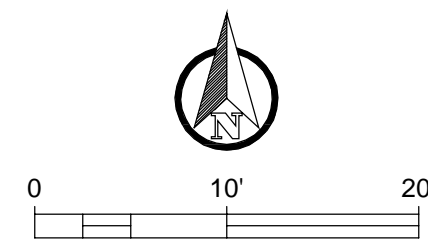
100% CD'S - FOR CONSTRUCTION

No. _____ REVISION _____ DATE _____		 <p>Design Tree ENGINEERING AND LAND SURVEYING</p> <p>120 17th Avenue W. Alexandria, MN 56308 (320) 762-1290</p> <p>3339 W. St., Germann, Suite 250 St. Cloud, MN 56301 (320) 217-5557 (Phone) (320) 217-5597 (Fax)</p>		 <p>Alexandria 525 Broadway Street Alexandria, MN 56308 phone 320.759.9030 facsimile 320.759.9062</p> <p>www.jlgarchitects.com copyright © 2015</p>		<p>STAMP/DRAW: I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MINNESOTA.</p> <p> Daniel Johnson MN 23897 DANIEL A. JOHNSON, PE REG. NO. _____ DATE: 01-06-2016</p>		<p>DRAWING TITLE GRADING PLAN</p> <p>PROJECT TITLE DEMOLISH TRESTLE AT BOILER PLANT</p> <p>BUILDING No. _____ CHECKED BY _____ DRAWN JSL JSL</p> <p>LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303</p> <p>DATE: 01-06-2016</p>		<p>DATE 01.06.2016</p> <p>PROJECT NO. 656-15-826</p> <p>DWG. NO. _____ OF 20</p>		 <p>St. Cloud VA Health Care System Brainerd Montevideo Alexandria</p>	
---	--	---	--	---	--	---	--	--	--	--	--	--	--




- NOTES:**
1. ALL DISTURBED AREAS SHALL BE RESTORED AND SEEDED WITH SEED MIX 25-251 (HYDROSEED) OR SOD.
 2. INLET PROTECTION SHALL BE PROVIDED ON ALL CATCH BASINS AND INLETS DOWN GRADIENT OF CONSTRUCTION ACTIVITY.
 3. PROVIDE SILT FENCE PERIMETER CONTROL AROUND ENTIRE CONSTRUCTION ACTIVITY, AND ALL TEMPORARY STOCKPILES.
 4. TEMPORARY ROCK ENTRANCES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
 5. NO OFFSITE VEHICLE TRACKING IS PERMITTED. STREETS SHALL BE CLEANED AND SWEEP WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS.
 6. REFER TO SWPPP TEMPLATE AND THE CITY OF _____ EROSION CONTROL REQUIREMENTS FOR FURTHER EROSION CONTROL SEQUENCING.
 7. INFILTRATION BASINS SHALL BE PROTECTED AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION. NO HEAVY MACHINERY ALLOWED IN INFILTRATION BASIN TO PREVENT COMPACTION OF UNDERLYING SOILS. SMALL TRACK HOES AND SKIDSTEERS ARE RECOMMENDED.

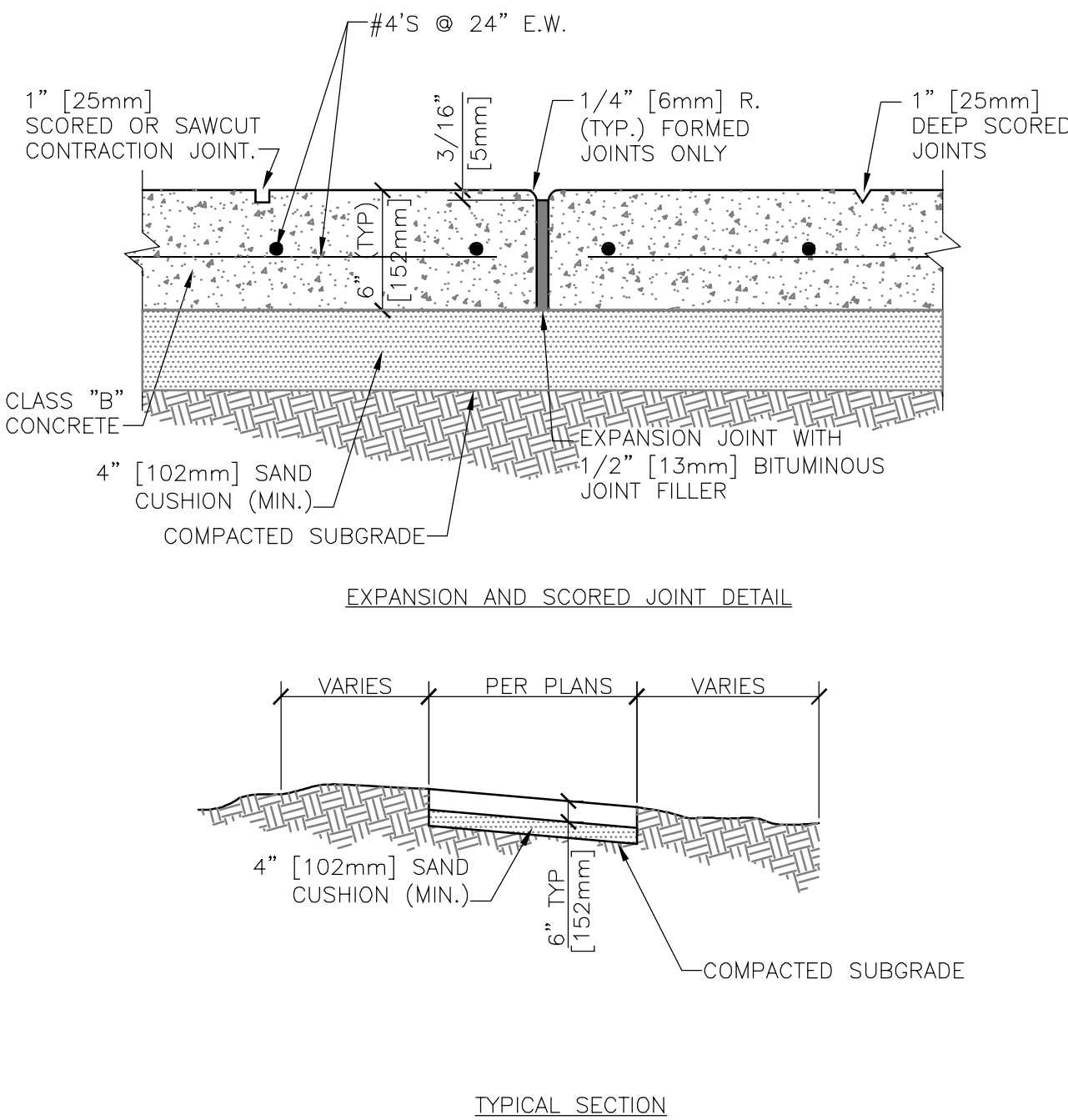
<u>EROSION CONTROL QUANTITIES:</u>		
	EXISTING ROCK CONSTRUCTION ENTRANCE	(XX SY)
	SILT FENCE	(335 LF)
	SOD	(890 SY)
	INLET PROTECTION	(2 EA)



100% CD'S - FOR CONSTRUCTION

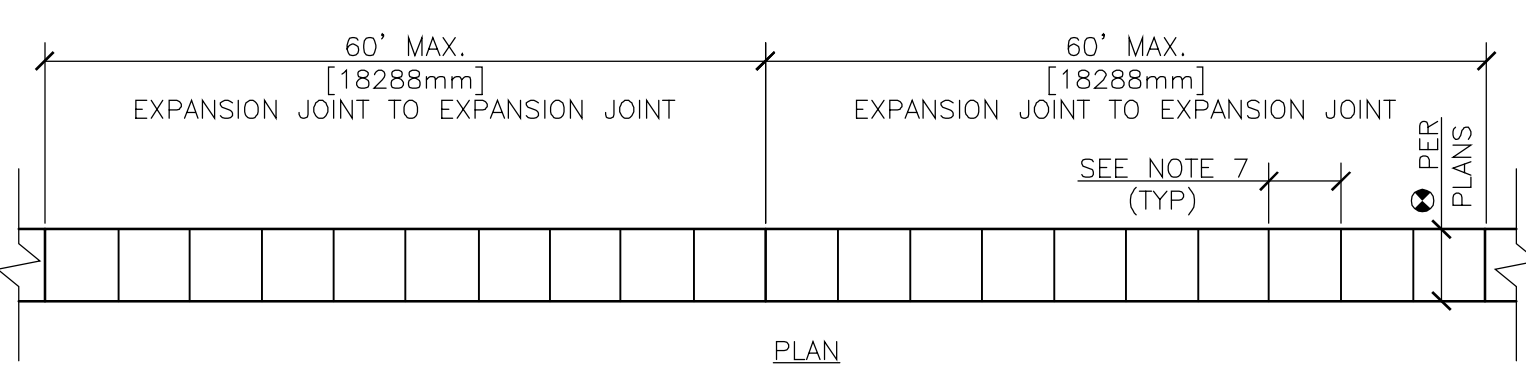
No	REVISION	DATE	 <p>Design Tree ENGINEERING AND LAND SURVEYING</p> <p>120 17th Avenue W. Alexandria, MN 56308 (320) 762-1290</p> <p>3339 W. St. Germain, Suite 250 St. Cloud, MN 56301 (320) 217-5557 (Phone) (320) 217-5597 (Fax)</p> <p>JLG architects</p> <p>Alexandria 525 Broadway Street Alexandria, MN 56308 phone 320.759.9030 facsimile 320.759.9062</p> <p>www.jlgarchitects.com</p> <p>copyright © 2015</p>	<p>STAMP (SEAL):</p> <p>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p></p> <p>DANIEL A. FOLSOM, PE REG. NO. MN 23897 D.J.F. J.S.L. DATE: 01-06-2016</p>	<p>DRAWING TITLE</p> <p>EROSION CONTROL PLAN</p>	<p>PROJECT TITLE</p> <p>DEMOLISH TRESTLE AT BOILER PLANT</p> <p>DATE 01.06.2016</p> <p>PLOT SCALE</p> <p>PROJECT NO. 656-15-826</p> <p>BUILDING NO. _____ CHECKED BY _____ DRAWN _____ J.S.L. J.S.L.</p> <p>LOCATION VIA MEDICAL CENTER ST.CLOUD, MN 56303</p> <p>DRAWING NO. 01-06-2016 SHEET 7 OF 20</p>	<p>St. Cloud VA Health Care System Brainerd Montevideo Alexandria</p> 
----	----------	------	--	--	--	--	--

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

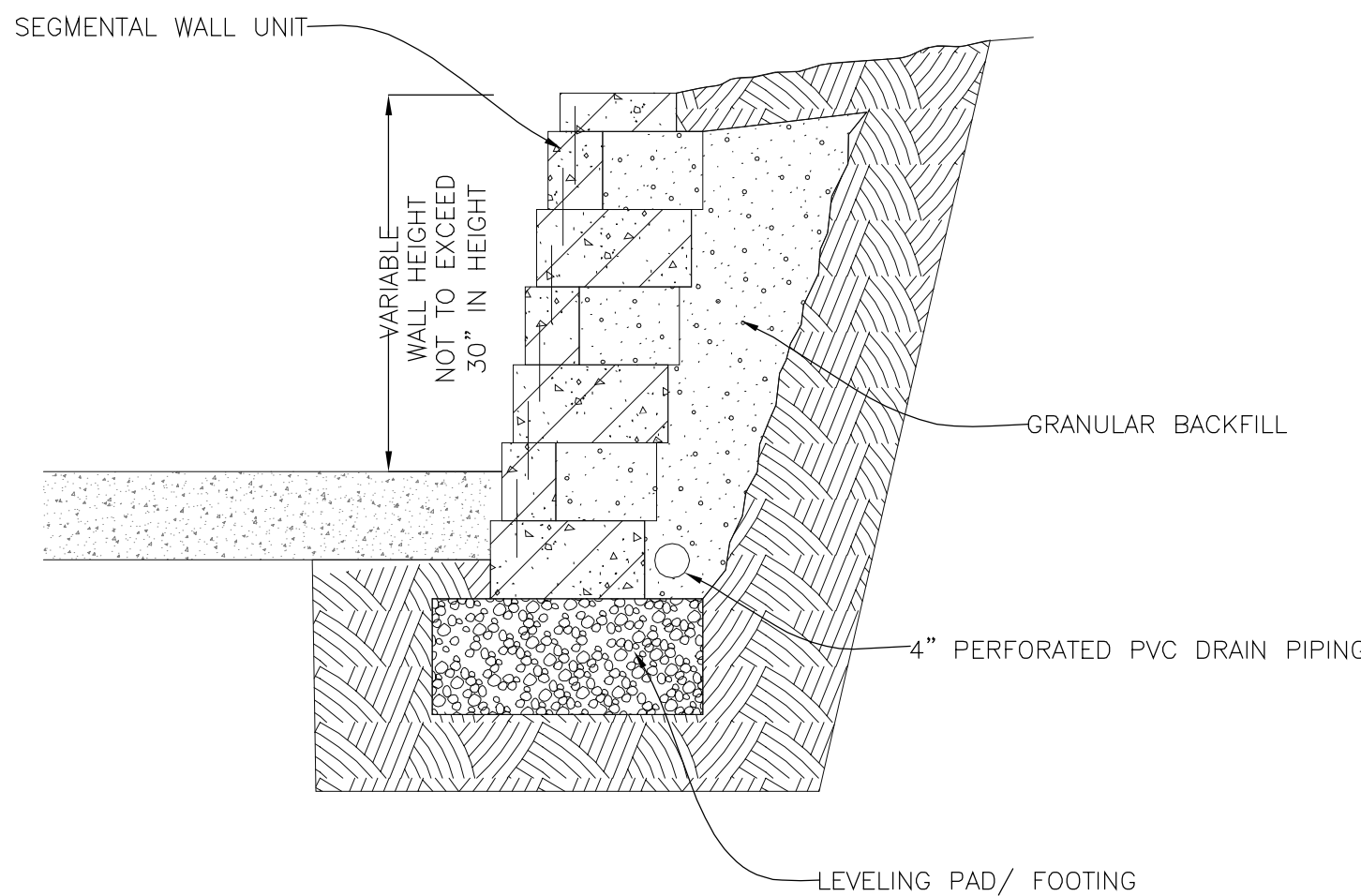


1 CONCRETE SIDEWALK/PAVEMENT

NTS



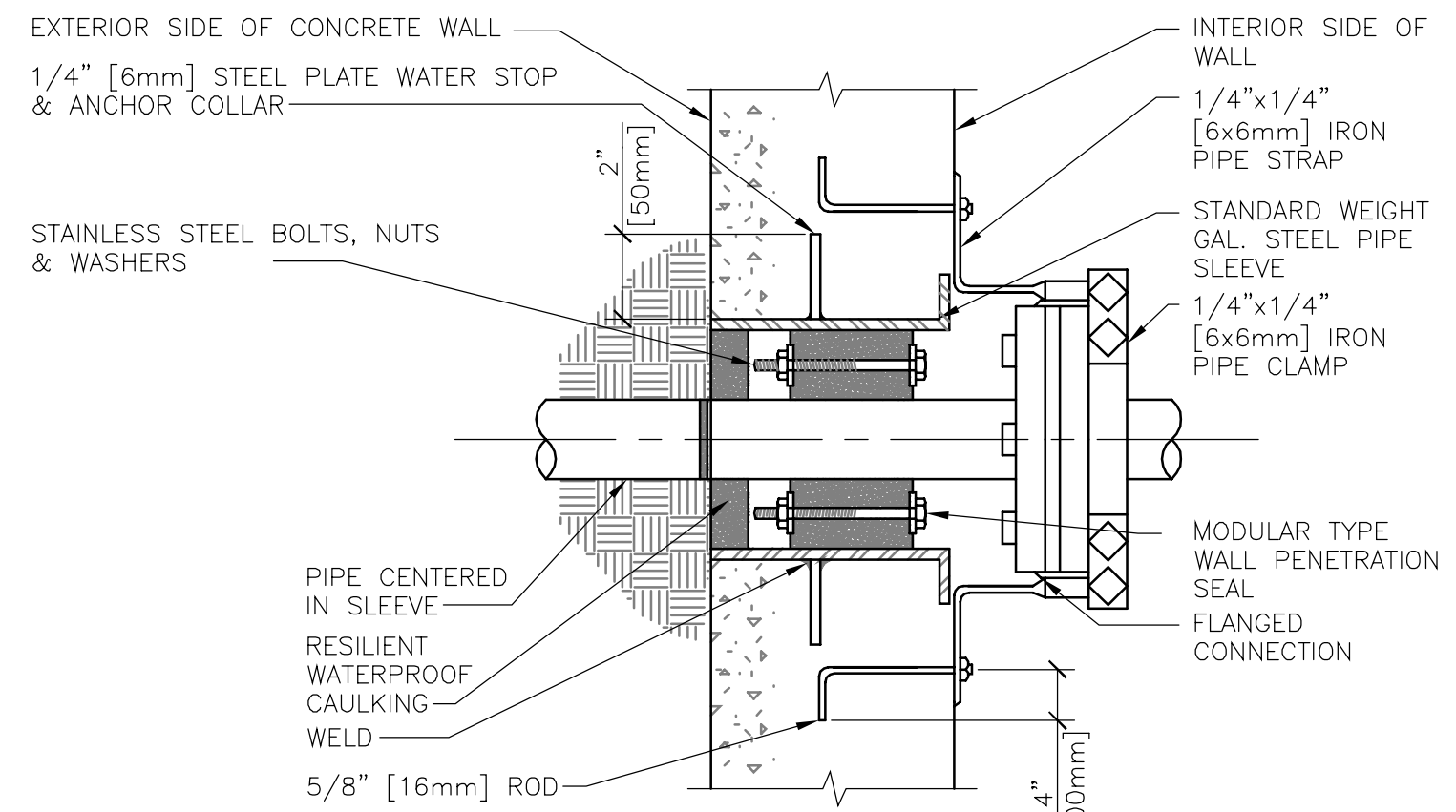
- NOTES:**
- EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
 - ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' [4572mm] OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
 - FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS.
 - SCORED JOINTS SHALL BE 1" [25mm] DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
 - CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
 - 1" [25mm] DEEP SCORED JOINTS (TYP) SPACED AT 6' [1829mm] OR EQUAL TO SIDEWALK WIDTH.
 - PROVIDE #4 DOWELS 12" [305mm] O.C. AT CONSTRUCTION JOINTS.



- NOTES:**
- THIS DETAIL IS PROVIDED AS A GUIDE ONLY, FINAL DESIGN TO BE PROVIDED BY CONTRACTOR'S WALL ENGINEER AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

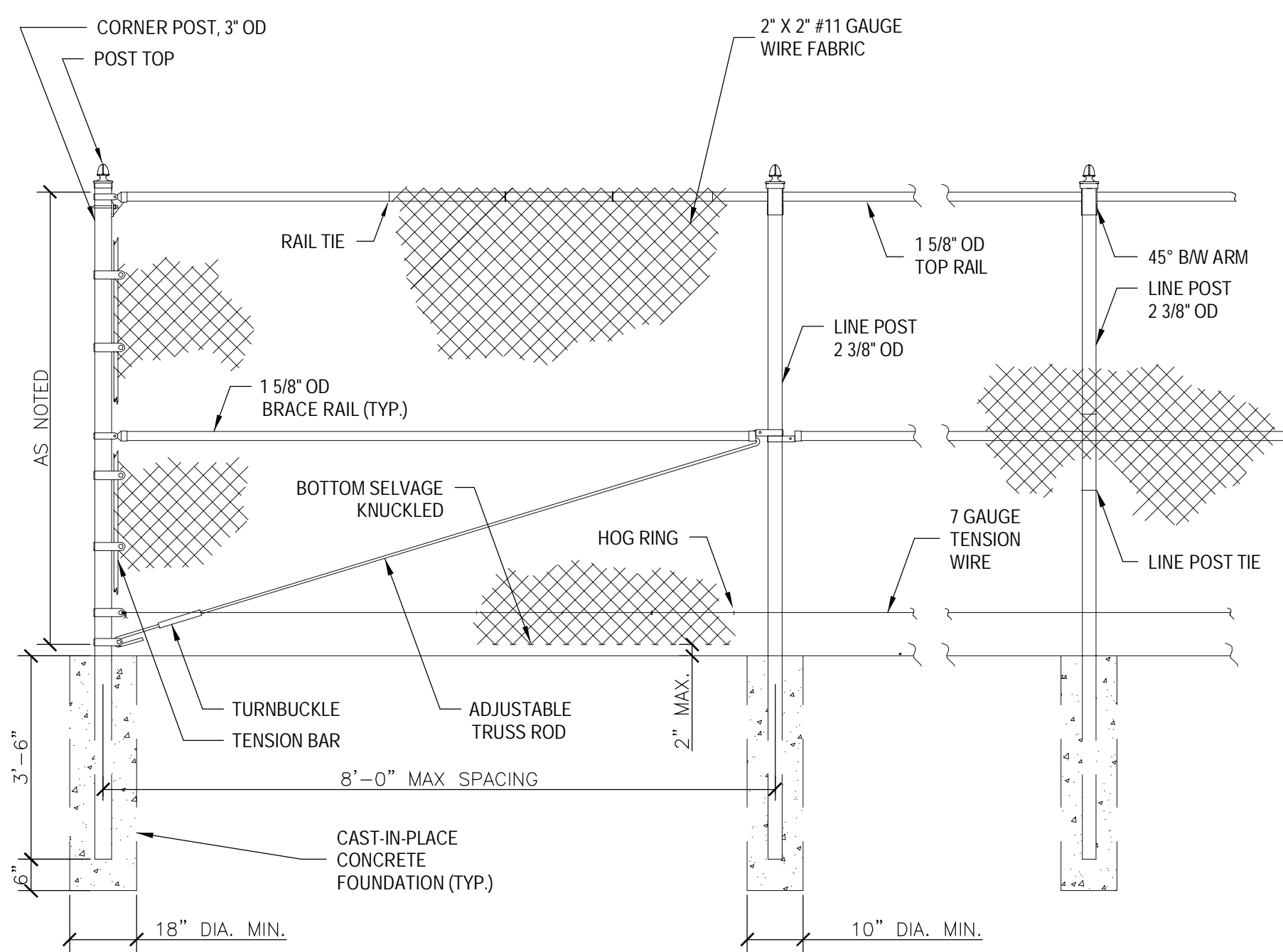
2 SEGMENTAL RETAINING WALL

NTS



3 PIPE PENETRATION THROUGH WALLS BELOW GRADE

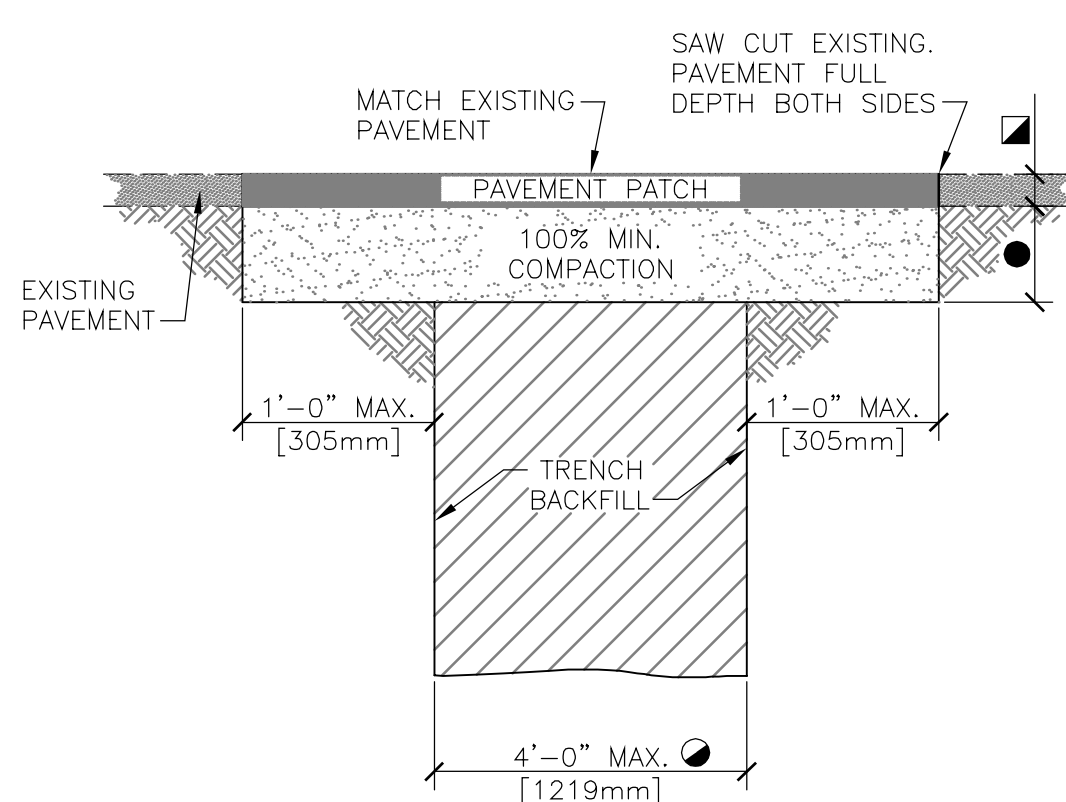
NTS



ALL FENCE FABRIC, POSTS AND HARDWARE SHALL HAVE A GALVANIZED FINISH CONFORMING TO ASTM A153 OR 120123

4 CHAIN LINK FENCE DETAIL

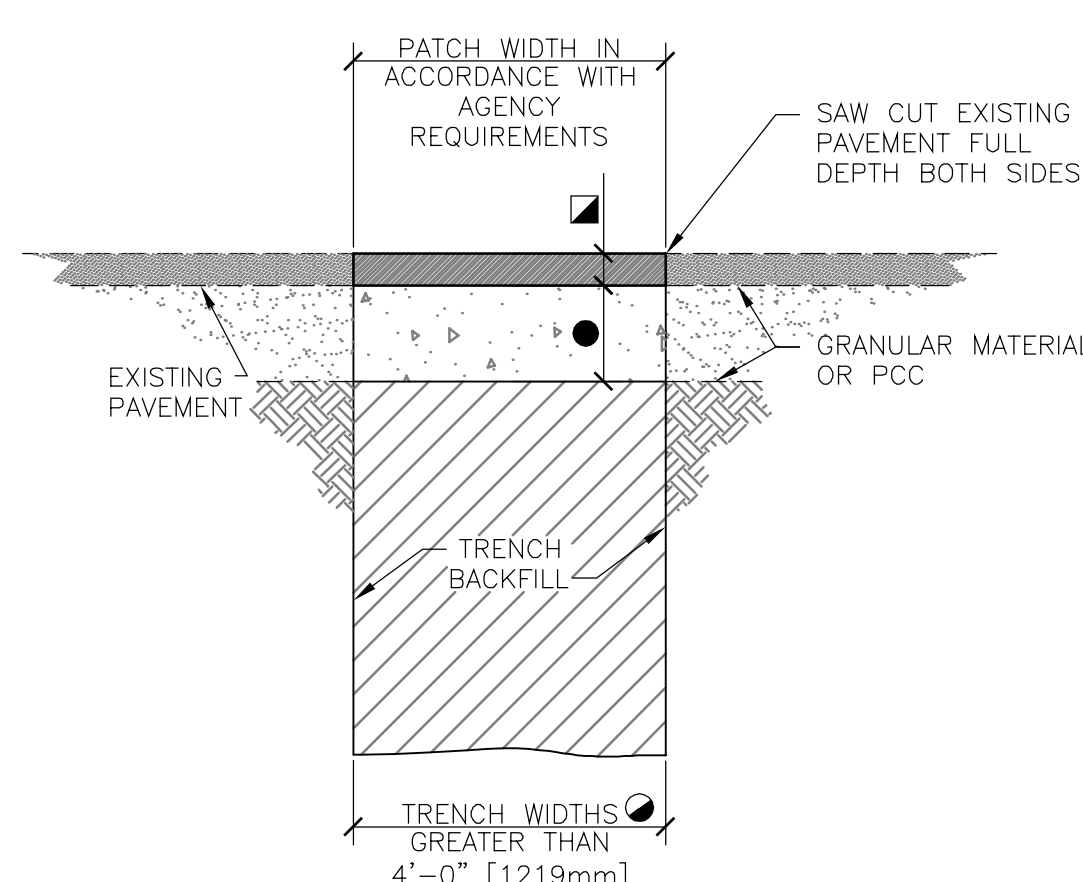
NTS



- FOR TRENCH WIDTHS EXCEEDING 4' [1219mm] REFER TO VA STANDARD DETAIL 32 12 16-02 "TYPE 2 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
 - 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
 - 4" [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.
- REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

5 TYPE 1 UTILITY TRENCH PATCH

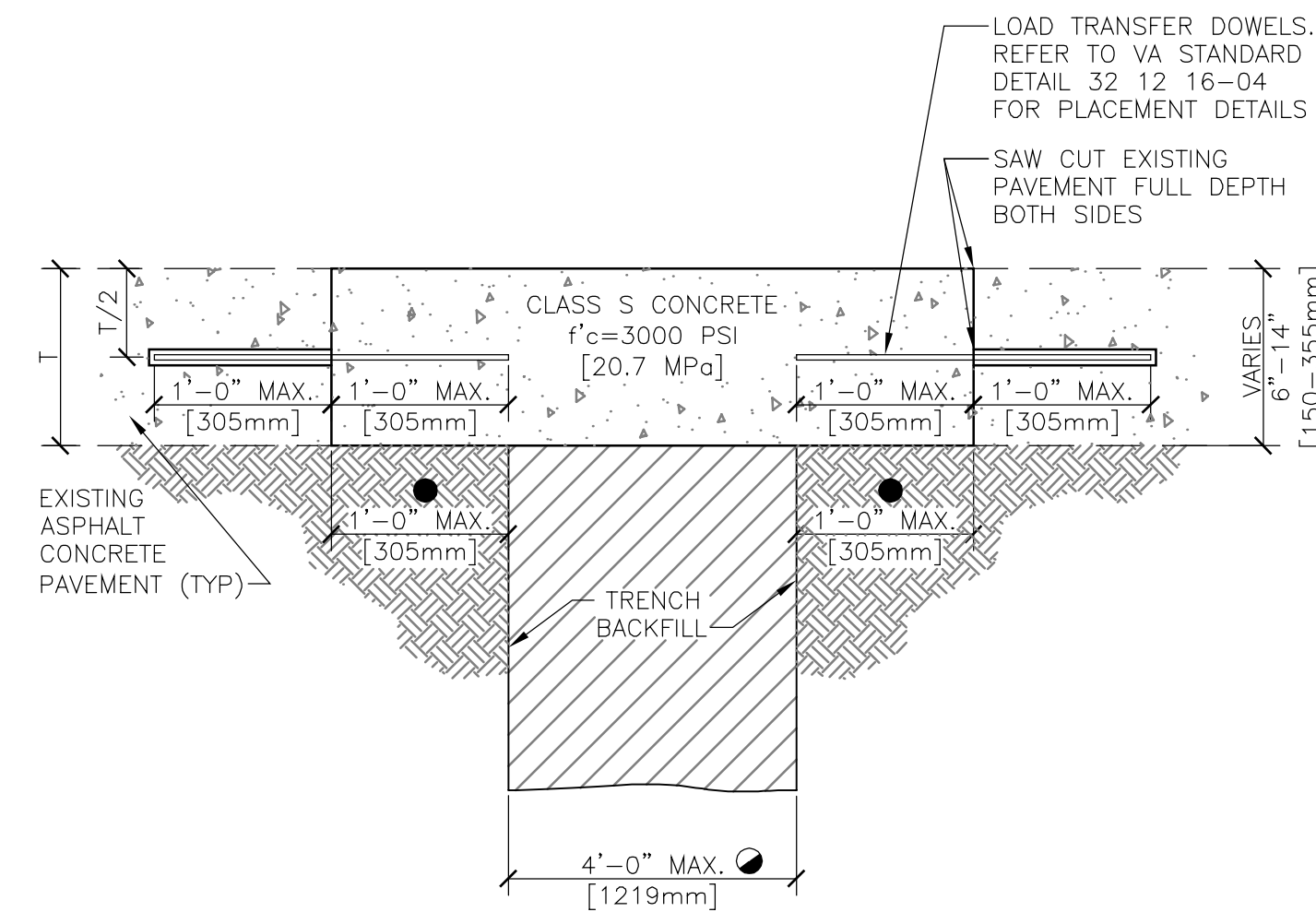
NTS



- FOR TRENCH WIDTHS 4' [1219mm] OR LESS REFER TO VA STANDARD DETAIL 32 12 16-01 "TYPE 1 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
 - 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
 - 4" [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.
- REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

6 TYPE 2 UTILITY TRENCH PATCH

NTS



- FOR TRENCH WIDTHS EXCEEDING 4' [1219mm] DELETE LOAD TRANSFER DOWELS.
 - REFER TO NOTE 13 ON VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES".
- REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

7 TYPE 3 UTILITY TRENCH PATCH

NTS

GENERAL NOTES

- MATERIAL AND COMPACTION REQUIREMENTS FOR PIPE BEDDING/SHADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE UTILITY PIPE.
- TRENCH BACKFILL SHALL COMMENCE 1 FOOT [305mm] ABOVE THE TOP OF PIPE AND SHALL BE PER SECTION 31 20 00.
- BACKFILL COMPACTION REQUIREMENTS SHALL BE PER SECTION 31 20 00.
- THE 1 FOOT [305mm] TRENCH "SHOULDER" AREAS SHALL BE DELETED FOR TYPE 2 TRENCHES.
- ABC SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 03 30 00.
- ASPHALTIC TACK MATERIAL (WHERE REQUIRED) SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- ASPHALTIC CONCRETE (WHERE REQUIRED) SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- LOAD TRANSFER DOWELS FOR JOINTS TRANSVERSE TO THE ROADWAY CENTERLINE SHALL BE SMOOTH STEEL DOWELS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 03 30 00. DOWELS SHALL BE SIZED AND SPACED AS FOLLOWS:

PCCP THICKNESS	DOWEL SIZE	DOWEL LENGTH	DOWEL SPACING
6" [150mm]	#5 [No. 16]	12" [305mm]	18" [455mm]
7" [180mm]	#6 [No. 19]	15" [380mm]	15" [380mm]
8" [180mm]	#8 [No. 19]	15" [380mm]	12" [305mm]
10" [180mm]	#10 [No. 19]	15" [380mm]	12" [305mm]
- DEFORMED TIE BARS SHALL BE USED IN TRENCH PATCHES LONGITUDINAL TO THE ROADWAY CENTERLINE WHEN THE TRENCH LENGTH IS GREATER THAN 50 FEET [15240mm]. TIE BARS SHALL BE 24 INCHES [610mm] LONG. DEFORMED #4 [No. 13] BARS FOR PCCP LESS THAN 8 INCHES [205mm] THICK AND #5 [No. 16] BARS IF 8 INCHES [205mm] THICK OR MORE. TIE BARS SHALL BE PLACED 30 INCHES [760mm] CENTER-TO-CENTER.
- HOLES SHALL BE DRILLED 1 FOOT [305mm] INTO THE EXISTING SLAB FOR TIE BARS AND 7 INCHES [180mm] FOR DOWELS. HOLES SHALL BE OF A DIAMETER SUFFICIENT TO ACCOMMODATE THE TIE BAR ANCHORAGE OR DOWEL CAP. TIE BARS SHALL BE ANCHORED WITH AN APPROVED HIGH VISCOSITY EPOXY.
- IF THE CONCRETE SLAB REMAINING NEXT TO A LONGITUDINAL OR TRANSVERSE JOINT IS LESS THAN 6 FEET [1829mm] AT ITS NARROWEST WIDTH, REMOVE AND REPLACE THE EXISTING CONCRETE TO THE JOINT.